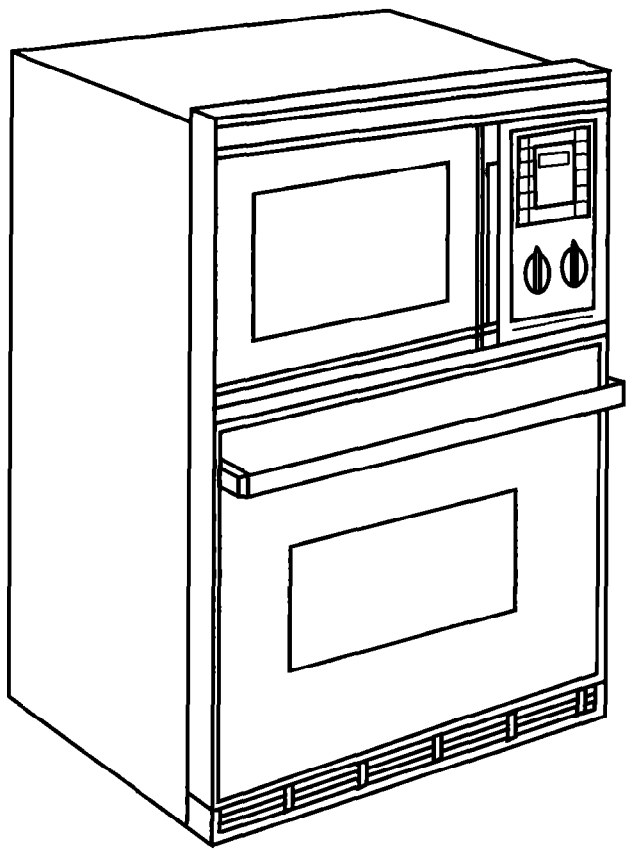
# KitchenAid®

# Installation Instructions

Part No. 3181679 Rev. B

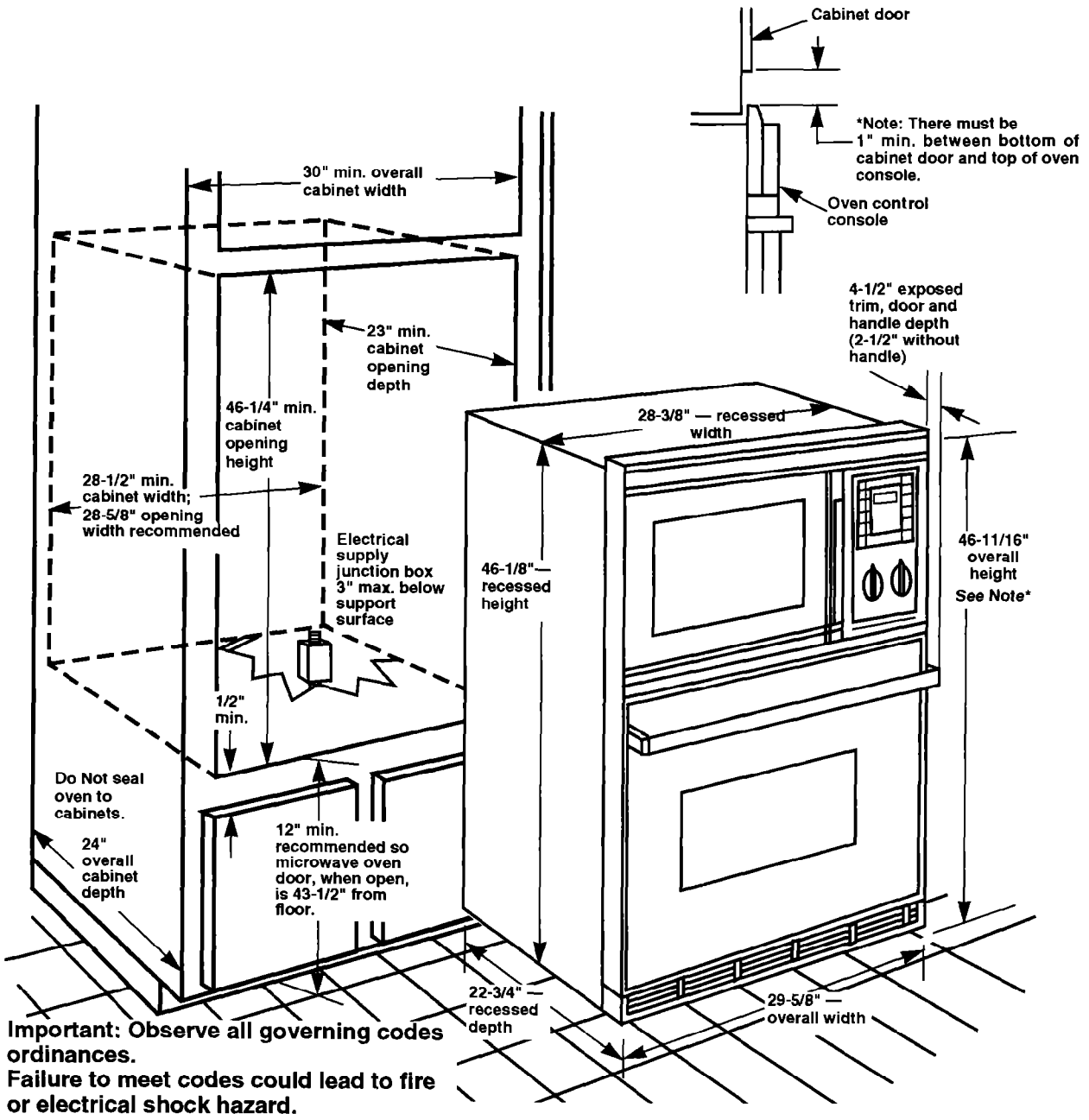
## 30" Electric Built-in Combination:

- **Microwave Convection Oven and Thermal Oven**
- **Microwave Oven and Thermal Oven**



## IMPORTANT:
## Read and save these instructions.

**IMPORTANT:**
**Installer:** Leave Installation Instructions with the homeowner.
**Homeowner:** Keep Installation Instructions for future reference.
**Save** Installation Instructions for local electrical inspector's use.


Cabinet door
*Note: There must be 1" min. between bottom of cabinet door and top of oven console.
Oven control console
30" min. overall cabinet width
23" min. cabinet opening depth
4-1/2" exposed trim, door and handle depth (2-1/2" without handle)
46-1/4" min. cabinet opening height
28-3/8" — recessed width
28-1/2" min. cabinet width; 28-5/8" opening width recommended
Electrical supply junction box 3" max. below support surface
46-1/8"— recessed height
46-11/16" overall height See Note*
1/2" min.
Do Not seal oven to cabinets.
24" overall cabinet depth
12" min. recommended so microwave oven door, when open, is 43-1/2" from floor.
22-3/4" — recessed depth
29-5/8" — overall width

**Important: Observe all governing codes ordinances.**
**Failure to meet codes could lead to fire or electrical shock hazard.**

## ⚠ WARNING

**Excessive Microwave Energy Hazard**

- **Do Not attempt to operate the microwave oven with the door open.**
- **Do Not tamper with or defeat the safety interlocks.**
- **Do Not place objects between the microwave oven front face and door.**
- **Do Not allow soil or cleaner residue to accumulate on sealing surface of the microwave oven door.**
- **Do Not operate the microwave oven if damaged.**
- **Do Not operate the microwave oven if:**
  - **— door is bent.**
  - **— hinges and latches are broken or loose.**
  - **— door seals, sealing surfaces or glass are broken.**

**The microwave oven door must close properly to provide safe operation.**

- **Only have a qualified repair person adjust, repair and check microwave oven for microwave leakage after a repair is made.**
- **Do Not use microwave for commercial purposes.**

**The microwave oven in this unit is designed for household use only.**

**Failure to follow these instructions could result in exposure to excessive microwave energy.**

## ⚠ WARNING

**Electrical Shock Hazard**

**It is the customer's responsibility:**

- **To contact a qualified electrical installer.**
- **To assure the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition*, and all local codes and ordinances.**

**Failure to do so could result in a fire, electrical shock or other personal injury.**

**Personal Injury Hazard**

- **Securely fasten oven to cabinet using the two screws provided.**

**Failure to do so could cause oven to move or tip during use and result in personal injury.**

- **Because of the weight and size of the oven, two or more people are needed to move, lift and safely install oven.**

**Failure to use more than one person during installation may result in personal injury.**

## ⚠ CAUTION

**Cabinet Damage**

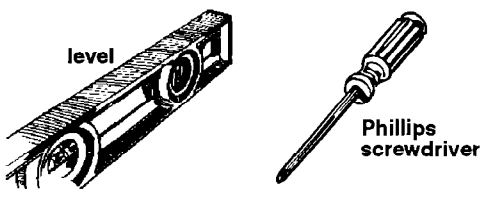
**Do Not block the oven vent.**

**Blocking the oven vent may cause cabinet damage and poor baking performance.**

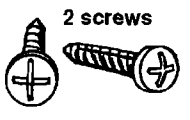
**Mobile home installation**

The installation of this oven must conform to the Manufactured Home Construction and Safety Standards, Title 24 CFR, Part 3280 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD Part 280) or when such standard is not applicable, the Standard for Manufactured Home Installation 1982 (Manufactured Home Sites, Communities and Setups), ANSI Z225.1-1984, or latest edition, or with local codes.

# Tools needed for installation:




# Parts supplied for installation:




# Before you start...

**Read the electrical and carpentry instructions.**

Proper installation is your responsibility. A qualified technician should install this oven. Make sure you have everything necessary for correct installation. It is the responsibility of the installer to comply with the installation clearances specified on the serial/rating plate. The serial/rating plate is located on the frame behind the microwave oven door or the lower oven door.

**Check location** where oven will be installed. The location should be away from strong draft areas, such as windows, doors, and strong heating vents or fans. The oven should be located for convenient use in the kitchen.

**Remove all packaging** material from microwave oven cavity. Check microwave oven area for damage — see WARNING for excessive microwave energy exposure. If any damage is evident, do Not operate the microwave oven until it is checked by an authorized service technician.

**Cabinet opening dimensions** that are shown must be used. Given dimensions provide minimum clearance. Contact surface must be solid and level.

**The recessed installation area** must provide complete enclosure around the recessed portion of the oven.

ALL OPENINGS IN THE WALL OR FLOOR WHERE THE OVEN IS TO BE INSTALLED MUST BE SEALED.

**Electrical ground** is required. See "Electrical requirements," Panel A.

## NOTE:

**The oven support surface must be flush with the bottom of the cabinet opening.**

## NOTE:

**Do Not use the microwave oven for commercial purposes. The microwave oven in this unit is designed for household use only.**

## ⚠ WARNING

**Electrical Shock Hazard**

**It is the customer's responsibility:**

- **To contact a qualified electrical installer.**
- **To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition**, and all local codes and ordinances.**

**Failure to do so could result in fire, electrical shock or other personal injury.**

Panel A

# Electrical requirements

**⚠ WARNING**

**Electrical Shock Hazard**

- **Electrical ground is required on this appliance.**
- **Do Not ground to a gas pipe.**
- **Do Not have a fuse in the neutral or grounding circuit. A fuse in the neutral or grounding circuit could result in an electrical shock.**
- **Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.**

**Failure to follow these instructions could result in serious injury or death.**

**If codes permit and a separate grounding wire is used, it is recommended that a qualified electrician determine that the grounding path is adequate.**

**IMPORTANT:**
**Save Installation Instructions for the local electrical inspector's use.**

**A.** This appliance must be connected to the proper electrical voltage and frequency as specified on the serial/rating plate. Models rated at 15.0 kw on 240 volts (11.25 kw on 208 volts) or more require a separate 50-ampere circuit. Models rated at less than 15.0 kw on 240 volts (11.25 kw on 208 volts) or less require a separate 40-ampere circuit. Fuse both sides of the line. A time-delay fuse or circuit breaker is recommended.

**B.** OVEN MUST BE CONNECTED WITH SOLID COPPER WIRE ONLY.

**C.** Wire sizes and connections must conform to the requirements of the National Electrical Code, ANSI/NFPA 70 — latest edition**, and all local codes and ordinances for the kilowatt rating of the oven. Wires sizes and connections must conform with the rating of the oven. This rating can be found on the serial/rating plate located on the front frame behind the microwave oven door or lower oven door. Copies of the standards listed may be obtained from:

****National Fire Protection Association**
**Batterymarch Park**
**Quincy, Massachusetts 02269**

**D.** This appliance should be connected directly to the fused disconnect (or circuit breaker box) through flexible, armored or non-metallic sheathed, copper cable (with grounding wire). The flexible armored cable extending from the appliance should be connected directly to the junction box.

**E.** Locate the junction box to allow as much slack in the cable as possible between the junction box and the appliance so that the oven can be moved if servicing is ever necessary. **Do Not cut the conduit.**

**F.** A U.L.-listed conduit connector **must** be provided at the junction box.

**G.** A wiring diagram is included in the Tech Sheet. The Tech Sheet is located behind the oven control panel.

# Electrical connection

**⚠ WARNING**

**Electrical Shock Hazard**

- **Electrical ground is required on this appliance.**
- **Do Not connect to the electrical supply until appliance is permanently grounded.**
- **Disconnect power to the junction box before making the electrical connection.**
- **This appliance must be connected to a grounded, metallic, permanent wiring system, or a grounding connector should be connected to the grounding terminal or wire lead on the appliance.**

**Failure to do so could result in a fire, personal injury or electrical shock.**

This appliance is manufactured with white (neutral) power supply wire and a cabinet-connected, green grounding wire twisted together.

Connect the appliance cable to the junction box through the U.L.-listed conduit connector. Complete electrical connection according to local codes and ordinances.

## A. Where local codes permit...

**Connecting the cabinet-grounding conductor to the neutral (white) junction box wire:**

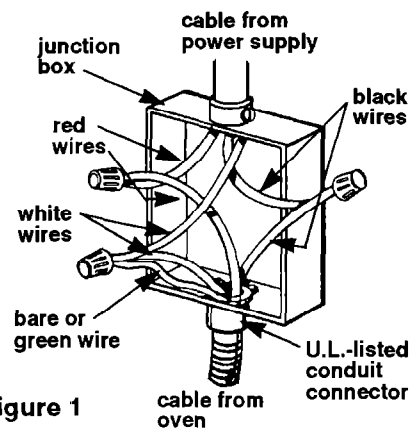



**Figure 1**

**Grounded neutral**

1. **Disconnect the power supply.**
2. Remove the terminal block cover.
3. Connect together 3 wires: green and white appliance cable wires and the neutral (white) wire in junction box.
4. Connect the two black wires together; then the two red wires together. See Figure 1.

## B. Where local codes Do Not permit...

**Connecting the cabinet-grounding conductor to the neutral (white) junction box wire:**

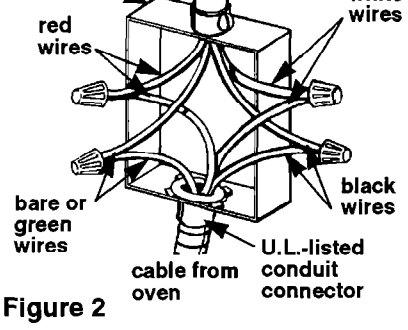



**Figure 2**

**Ungrounded neutral**

1. **Disconnect power supply.**
2. Separate the green and white appliance cable wires.
3. Connect the white appliance cable wire to the neutral (white) wire in the junction box.
4. Connect the two black wires together; then the two red wires together. See Figure 2.
5. Connect the green or bare grounding wire from the appliance cable to a grounded wire in the junction box.

## C. If connecting to a four-wire electrical system...

**Do Not connect the cabinet-grounding conductor to the neutral (white) junction box wire.**

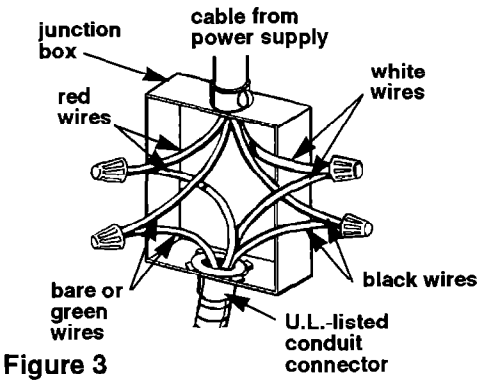



**Figure 3**

1. **Disconnect the power supply.**
2. Separate the green (or bare) and white appliance cable wires.
3. Connect the white appliance cable wire to the neutral (white) wire in the junction box.
4. Connect the two black wires together; then the two red wires together. See Figure 3.
5. Connect the green appliance cable wire to the green grounding wire in the junction box.

# Now start...

**With oven in kitchen.**

**1.** Remove shipping materials, tape, and protective film from microwave oven and oven. **Do Not remove shipping base at this time.**

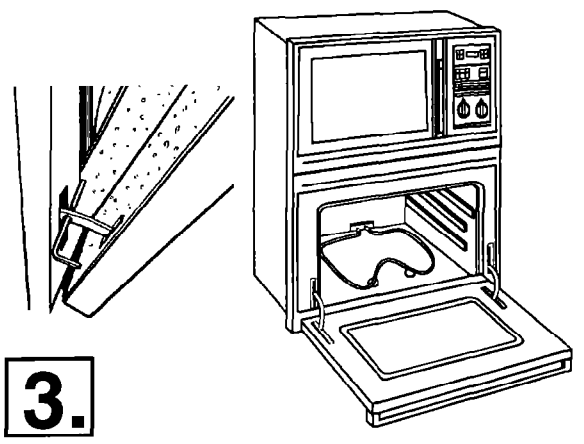
**2.** Remove and unwrap the racks and other parts from inside the oven. Remove the air grille taped to top or side of oven.

**⚠ WARNING**

**Personal Injury/Property Damage Hazard**

- **Use both hands to remove oven door.**
- **Grasp only the sides of oven door.**
- **Do Not use handle or any portion of the front frame or trim for lifting.**
- **Because of the weight and size of the oven, two or more people are needed to lift, move and safely install the oven.**

**Failure to properly grasp the oven door or to lift oven properly could result in damage to the product or personal injury.**



**3.** Insert a nail (or equivalent, 5/32" diameter item) into the hole in each of the hinges. Close the oven door as far as possible. Lift the oven door off of the hinges. Set aside.

**⚠ CAUTION**

**Property Damage**

**Before moving oven across floor, check that oven is on shipping base or slide oven onto cardboard or hardboard.**

**Failure to follow these instructions may result in damage to floor covering.**

**4.** Turn power supply off. Move oven close to final position. Remove and discard shipping base or cardboard or hardboard. Feed appliance cable through the opening in cabinet. Make electrical connection. See "Electrical requirements" and "Electrical connection" sections, Panel B.

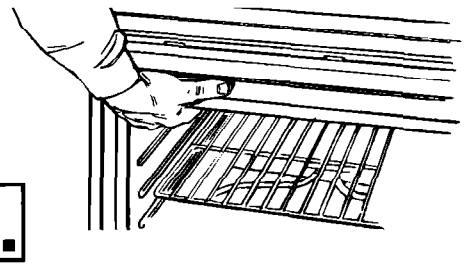
## ⚠ CAUTION

**Product Damage**

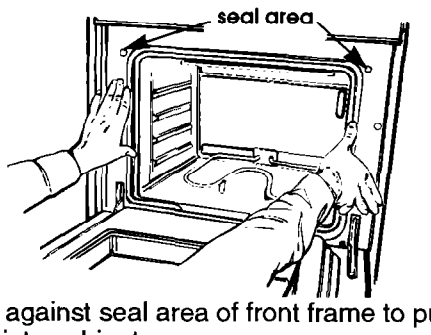
**Carefully push against the seal area of the oven front frame when pushing the oven into the cabinet.**

**Do Not push against outside edges.**

**Failure to follow these instructions can result in damage to oven finish.**



**5.** Lift oven up into cabinet cutout using the oven opening as an area to grip.



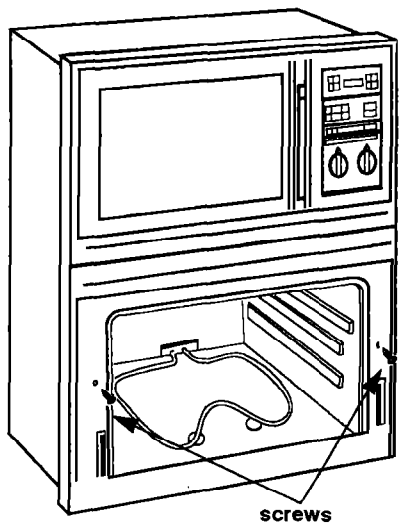

Push against seal area of front frame to push oven into cabinet.

## WARNING

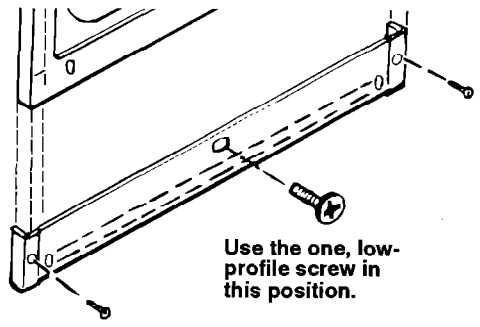
**Personal Injury/Property Damage Hazard**

**Securely fasten oven to cabinet using the two screws provided.**

**Failure to do so could cause the oven to move or tip during use and result in personal injury or product damage.**



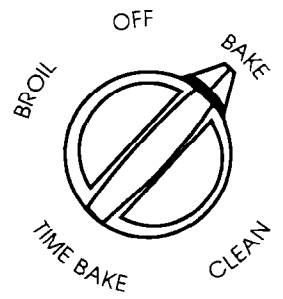

**6.** Center oven into cabinet cutout. Use two screws through the mounting holes in the front frame of the oven to secure the oven to the cabinet. **Do Not overtighten screws.**



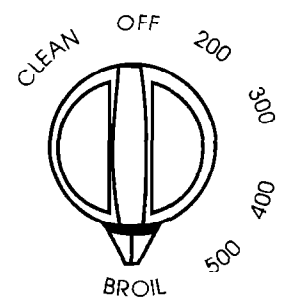

**7.** Install the lower air grille using the three screws provided.

**8.** Install tray in the microwave oven (if microwave oven is so equipped). Place oven racks in oven.

**9.** Replace the oven door by fitting both corners of the door over the ends of the hinges. Pull the door slightly towards you, then push the door evenly and completely onto hinges. Remove the nails from the hinges. If the door does not close, you have not pushed the door hinges completely onto hinges.




**10.** Turn power supply on. Check the operation of the oven. Set the oven selector control knob to "BAKE." Set the oven temperature control knob to 350°F. The bottom element should glow red and the indicator light should be on. The upper element should become hot, but not glow red. The oven indicator light goes out when the oven is preheated.




**11.** Check the operation of the oven broil element. Set the oven selector and the oven temperature control knobs to "BROIL." (On models with econo/maxi-broil feature, set oven temperature control knob to "MAXI.") The top element should glow red and the indicator light should be on. Turn the oven selector and oven temperature control knobs to "OFF."

## ⚠ WARNING

**Personal Injury/Product Damage Hazard**

- **Handle heated water with care.**

**Mishandling hot water or steam could result in serious burn.**

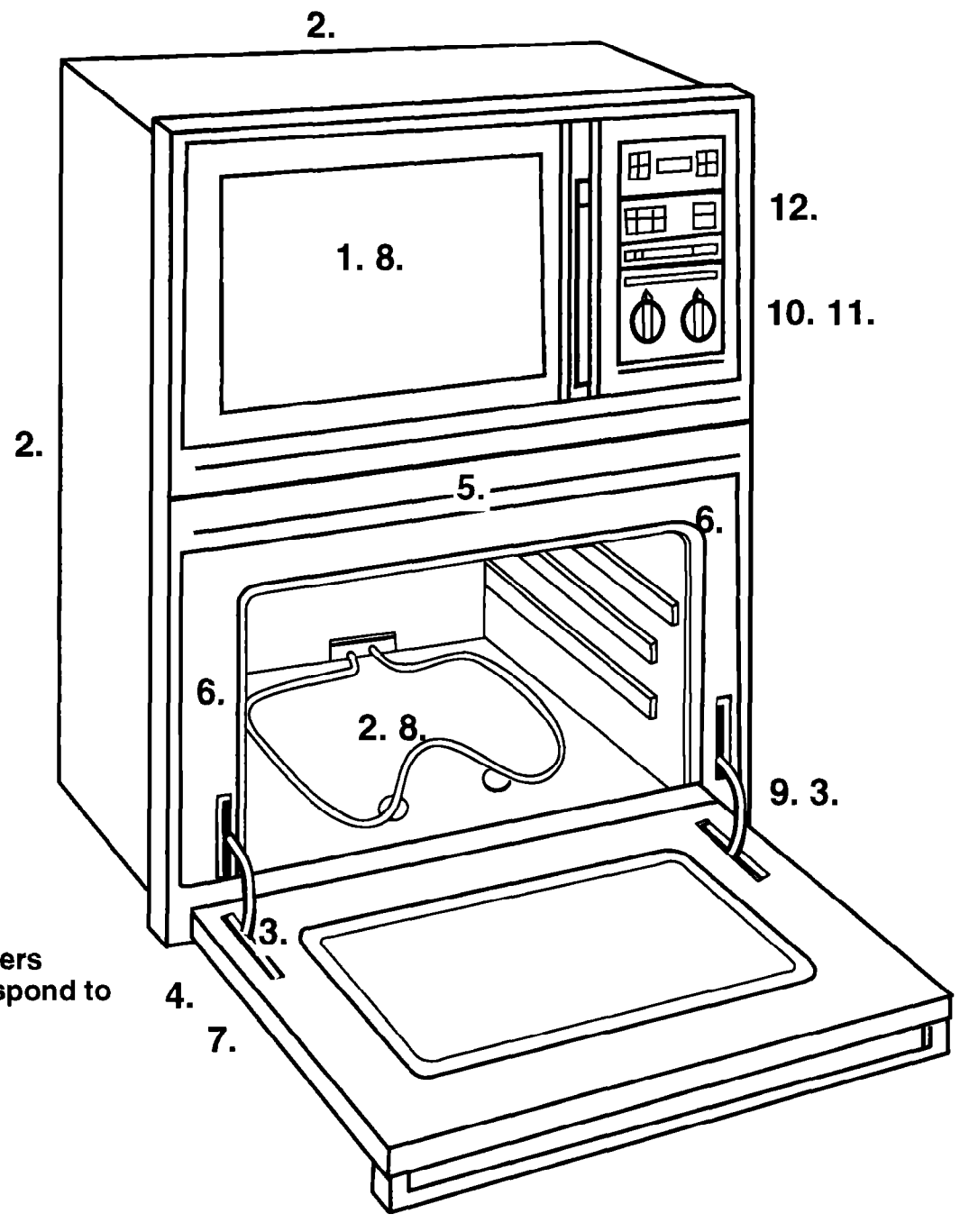
- **Maintain at least 1/2 quart (or 1.2 liter) of water in container when testing operation of microwave oven.**

**Failure to maintain proper water level could result in damage to container.**

**12.** Check the operation of the microwave oven.

- *Fill a microwave-safe container with one quart of water and place container inside microwave oven. Close door firmly.*
- Set microwave oven cook time to ten minutes.
- Press the "START" pad. The interior microwave oven light should be on and the remaining cooking time should be displayed.
- When display reads "5:00," open microwave oven door. The microwave should stop cooking.
- Close door firmly. The interior microwave oven light should turn off.
- Press the "START" pad. Microwave oven should begin cooking and the microwave oven interior light should be on.
- Repeat opening and closing of microwave oven door several times during the remaining cooking time.
- Let microwave oven complete cooking time. A tone will sound for two seconds at end of cooking time and microwave oven will shut off.
- Open microwave oven door and carefully remove container. Water in container should be hot.

***To get the most efficient use from your new oven, read your KitchenAid Use & Care Guide. Keep Installation Instructions and Guide close to oven for easy reference.***




**Numbers correspond to steps.**

# If the range does not operate...

- Check that the circuit breaker is not tripped or the house fuse blown.
- See Use and Care Guide for troubleshooting checklist.

**NOTE:**
**Refer to Use and Care Guide for operating instructions and cleaning instructions.**

# If you need assistance...

The KitchenAid Consumer Assistance Center will answer any questions about operating or maintaining your oven not covered in the Installation Instructions. The KitchenAid Consumer Assistance Center is open 24 hours a day, 7 days a week. Just dial 1-800-422-1230 — the call is free.

When you call, you will need the oven model number and serial number. Both numbers can be found on the serial/rating plate located on the oven frame behind the microwave oven door or lower oven door.

# If you need service...

In the event that your KitchenAid appliance should need service, call the dealer from whom you purchased the appliance or a KitchenAid-authorized service company. A KitchenAid-authorized service company is listed in the Yellow Pages of your telephone directory under "Appliances — Household — Major — Service and Repair." You can also obtain the service company's name and telephone number by dialing, free, within the continental United States, the KitchenAid Consumer Assistance Center telephone number, 1-800-422-1230. A special operator will tell you the name and number of your nearest KitchenAid-authorized service company.

Part No. 3181679 Rev. B
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Prepared by KitchenAid, St. Joseph, Michigan 49085

Printed on recycled paper.
10% post consumer waste/
50% recovered materials.

Printed in U.S.A.